

16. (New) The material of claim 13, wherein the unsaturated-carboxylic acid monomer is acrylic acid.

17. (New) The material of claim 14, wherein the fluoro-substituted group comprises a terminal-trifluoromethyl group.

18. (New) The material of claim 14, wherein the fluoro-substituted group is a fluorinated surfactant.

19. (New) The material of claim 14, wherein the fluoro-substituted group is a perfluoroalkylamine.

20. (New) The material of claim 14, wherein the fluorinated group is a fluoroalkyl-trialkyl-ammonium salt.

21. (New) The material of claim 13, wherein the film is applied using a combination of electrical pulsing and gas pulsing.

22. (New) The material of claim 13, wherein the film is applied such that both the gas-on and gas-off times are within the range of about 0.1 microseconds to about 10 seconds.

23. (New) The material of claim 13, wherein the pulsed gas is oxygen.

24. (New) The material of claim 13, wherein the pulsed gas is a noble or inert gas or is hydrogen, nitrogen, or carbon dioxide.

25. (New) The material of claim 13, wherein the unsaturated-carboxylic acid monomer is pulsed directly without a process gas.

26. (New) The material of claim 13, wherein the plasma power applied is within the range of about 1 Watt to 100 Watts.